	Application No.	Applicant(a)	· <del></del> ·
	Application No.	Applicant(s)	
Notice of Allowability	10/750,281	YI ET AL.	
Nouce of Allowability	Examiner	Art Unit	
	H.Jey Tsai	2812	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not include nunication will be mailed in due	ed course. <b>THIS</b>
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-19</u> .			
3. The drawings filed on 31 December 2003 are accepted by	the Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority unanal All b)  Some* c)  None of the: <ol> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN. </li> </ul>	e been received. e been received in Applicat cuments have been receive of this communication to fi	ion No ed in this national stage applica	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be subm	itted. Note the attached EX		OTICE OF
INFORMAL PATENT APPLICATION (PTO-152) which give 6.  CORRECTED DRAWINGS (as "replacement sheets") must		or declaration is deficient.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached			
1)  hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		nformal Patent Application (PT0 Summary (PTO-413),	O-152)
_	Paper No	./Mail Date .	
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 12/31/03</li> </ol>	)8), 7. <u>□</u> Examiner	s Amendment/Comment	
4.   Examiner's Comment Regarding Requirement for Deposit		s Statement of Reasons for Allo	wance
of Biological Material	9. ☐ Other	H.Jey Tsai Primary Examiner Art Unit: 2812	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Application/Control Number: 10/750,281

Art Unit: 2812

## Reasons For Allowance

The following is an Examiner's statement of reasons for the indication of allowable subject matter:

The basis for the allowability is:

Prior art of record does not teach forming an emitter window by etching the insulating layer to a partial depth, forming a dummy polysilicon pattern in the emitter window to have the same height as the surface of the insulating layer, exposing the sidewalls of the dummy polysilicon pattern and forming dummy spacers on the sidewalls of the dummy polysilicon pattern, forming an extrinsic base by implanting impurity ions into the SiGe base layer using the dummy polysilicon pattern and the dummy spacers as an ion implantation mask, removing the dummy spacers and the dummy polysilicon pattern and forming a selective ion-implanted collector in tie substrate by implanting impurity ions into the emitter window using the remaining insulating layer as an ion implantation mask, exposing the SiGe base layer by etching the remaining insulating layer and forming an emitter by depositing and patterning an emitter polysilicon, and forming a gate and a source/drain.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Any inquiry of a general nature or clerical matters or relating to the status of this application or proceeding should be directed to the customer service whose telephone number is (703) 308-4357.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to H. Jey Tsai whose telephone number is (571) 272-1684. The examiner can normally be reached on from 7:00 Am to 4:00 Pm., Monday thru Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling can be reached on (571) 272-1679.

The fax phone number for this Group is (703) 872-9306.

hit

8/23/04

H. Jey Tsai

Primary Examiner

Patent Examining Group 2800